

Science in Kazakhstan During the Forty (Cont.) 1188

There are 10 photographs, 2 maps, 1 table (on the morphogenetic types of Kazakh iron ore deposits), and numerous Soviet references in the text.

TABLE OF CONTENTS:

Satpayev, K.I. The Kazakh Academy of Sciences Commemorating the 40th Anniversary of the October Revolution	5
Borukayev, R.A. Mineral Deposits of Kazakhstan	66
Rusakov, M.P. Kazakhstan - the Largest Primary Material Base for the Ferrous Metal Industry in the Eastern Part of the USSR	96
Akhmedsafin, U.M. Hydrogeological Explorations in Kazakhstan Within the Last Forty Years	132
Popov, A.S. Development of Mining Industries and Mining Engineering in Kazakhstan Under the Soviet Regime	158
Ponomarev, V.D. Development of Metallurgy in Soviet Kazakhstan	172

Card 2/4

Science in Kazakhstan During the Forty (Cont.)	1188
Bekturov, A.B. Chemistry in the Service of the National Economy of the Republic	182
Chokin, Sh.Ch. Forty Years of Development of Power Economy in Kazakhstan	197
Pal'gov, N.N. Geography and Its Role in the Building of Socialism in Kazakhstan	226
Fesenkov, V.G. Development of Astronomy in Kazakhstan	247
Zhautykov, O.A. Development of Mathematics in Kazakhstan	260
Markovich, M.M., and Kalinin, S.K. Development of Physics in Kazakhstan	281
Zykov, D.A. The Science of Agriculture in Kazakhstan	295
Pavlov, N.V. Study of Kazakh Flora and Vegetation	313
Card 3/4	

Science in Kazakhstan During the Forty (Cont.)	1188
Dolgushin, I.A. Forty Years of Zoological Studies in Kazakhstan	329
Polosukhin, A.P. History of the Development and Achievements of Kazakh Physiology	345
Pokrovskiy, S.N., Nusupbekov, A.N., and Shakhmatov, V.F. Historical Studies in Soviet Kazakhstan	369
Tolybekov, S.Ye. Development of the Study of Economics in Kazakhstan	392
Kenesbayev, S. and Sarybayev, Sh. Development of Kazakh Philology Under the Soviet Regime	407
Bazarbayev, M. Development of Kazakh Literature and Literary Criticism	432
AVAILABLE: Library of Congress	
Card 4/4	MM/fal 2-13-59

AKHMEDSAFIN, U.M.

Underground waters in the arid regions of Kazakhstan and measures for utilizing them in the water supply and irrigation of pastures and oases. Vest. AN Kazakh. SSR 13 no.4:14-24 Ap '57. (MLRA 10:6)

1. Akademik Akademii nauk Kazakhskoy SSR.
(Kazakhstan--Water, Underground)

SATPAYEV, K.I.; BORUKAYEV, R.A.; AKHMEDSAFIN, U.M.; BOK, I.I.; KUSHEV, G.L.;
SIRGOIYEV, N.G.; SHLYGIN, Ye.D.; SHCHERBA, G.N.; MONICH, V.K.;
LOMONOVICH, I.I.; LAVROV, V.V.; MEDOYEV, G.TS.; NOVOKHATSKIY, I.P.;
BARBOT-DE-MARNI, A.V.; GALITSKIY, V.V.; KOLOTILIN, N.F.; ZHILINSKIY,
G.B.; KAYUPOV, A.K.; KAZANLI, D.N.; SATPAYEVA, T.A.; ABDULKABIROVA,
M.A.; GAZIZOVA, K.S.; VEYTS, B.I.; KHAYRUTDINOV, D.Rh.; MUKHAMEDZHANOV,
S.M.; CHOLPANKULOV, T.Ch.; PARSHIN, A.V.; TAZHIBAYEVA, P.T.; YANULOVA,
M.K.; BYKOVA, M.S.; VOLKOV, A.N.; BOLGOV, G.N.; MITRIYAYEVA, N.M.;
CHOKABAYEV, S.Ye.; KUNAYEV, D.S.; YARENKAYA, M.A.; REBROVA, T.I.

Tireless explorer of the depths of the earth's crust; on the 65th
birthday and 40th anniversary of the scientific engineering ac-
tivities of Academician M.P. Rusakov. Vest. AN Kazakh. SSR 13
no.12:96-97 D '57. (MIRA 11:1)

(Rusakov, Mikhail Petrovich, 1892-)

AKHMEDSAFIN, U.M., akad., red.; OSADCHIY, F.Ya., red.; ROROKINA, Z.P., tekhn.red.

[Hydrogeological accounts of virgin lands; Aktyubinsk, Kokchetar and North Kazakhstan provinces] Gidrogeologicheskie ocherki tselinnykh zemel'; Aktiubinskoi, Kokchetavskoi i Severo-Kazakhstanskoi oblastei. Alma-Ata, 1958. 209 p. (MIRA 11:11)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut geologicheskikh nauk.
2. Akademiya nauk KazSSR (for Akhmedsafin).
(Aktyubinsk Province--Water, Underground)
(Kokchetav Province--Water, Underground)
(North Kazakhstan Province--Water, Underground)

AVROV, P.Ya.; AYTALIYEV, Zh. A.; AUEZOV, M.O.; AKHMMEDSAFIN, U.M.; BATISHCHEV-TARASOV, S.D.; BAZANOVA, N.U.; BAISHEV, S.B.; BAYKONUROV, A.B.; BEKTUROV, A.B.; BOGATYREV, A.S.; BOK, I.I.; BORUKLEYEV, R.A.; BUBLICHENKO, N.L.; BYKOVA, M.S.; ZHILINSKIY, G.R.; ZYKOV, D.A.; IVANKIN, P.F.; KAZANLI, D.N.; KAYUPOV, A.K.; XENESBAYEV, S.K.; KOLOTILIN, N.F.; KUNAYEV, D.A.; KUSHEV, G.L.; LAVOV, V.V.; MASHANOV, O.Zh.; MEDOYEV, G.TS.; MONICH, V.K.; MUKANOV, S.; MUSREPOV, G.; MUKHAMEDZHANOV, S.M.; PARSHIN, A.V.; POFRovSKIY, S.N.; POLOSUKHIN, A.P.; RUSAKOV, M.P.; SERGIYEV, N.G.; SEYFULJIN, S.Sh.; TAZHIBAYEV, P.T.; TESENKOV, V.G.; SHLYGIN, Ye.D.; SHCHERRA, G.N.; CHOKIN, Sh.Ch.; CHOLPANKULOV, T.Ch.

Sixtieth birthday of Academician Kanysh Imantaevich Satpaev. Vest.
AN Kazakh. SSR 15 no.4;58-61 Ap '59. (MIRA 12:7)
(Satpaev, Kanysh Imantaevich, 1899-)

AKHMEDSAFIN, U.M., akademik

Methods involved in compiling a hydrogeological map of Kazakhstan.
Vest.AN Kazakh.SSR 16 no.5:27-32 My '60. (MIRA 13:7)

1. Akademiya nauk KazSSR.
(Kazakhstan--Water, Undergroung--Maps)

SATPAYEV, K.I.; POLOSKHIN, A.P.; BAISHEV, S.B.; CHOKIN, Sh.Ch.; BORUKAYEV, R.A.; AKHMEDSAFIN, U.M.; KUSHEV, G.L.; SHCHERBA, G.N.; MONICH, V.K.; MEDOYEV, G.TS.; LAVROV, T.V.; BARBOT-DE-MARMI, A.V.; GALITSKIY, V.V.; ZHILINSKIY, G.B.; KAYUPOV, A.K.; KAZANLI, D.N.; KOLOTILIN, N.P.; MUKHAMEDZHANOV, S.M.; SATPAYEVA, T.A.; VEYTS, B.I.; GAZIZOVA, K.S.; CHOLPANKULOV, T.Ch.; PARSHIN, A.V.; BYKOVA, M.S.; MITYAYEVA, N.M.; VOLKOV, A.N.; CHAKABAYEV, S.Ye.; YARENSEAYA, N.A.; KHAYRUTDINOV, D.Kh.

On the 60th anniversary of the birth of I.I. Bok, Academician of the
Academy of the Kazakh S.S.R. Vest.AN Kazakh.SSR 14 no.10:95-96
0 '58. (MIRA 11:12)

(Bok, Ivan Ivanovich, 1898-)

KOLOTILIN, Nikolay Fedotovich; AKHMEDSAFIN, U.M., prof., doktor geologo-mineralog. nauk, akademik, otv. red.; RZHONDKOVSKAYA, L.S., red.; ALFEROVA, P.F., tekhn. red.

[Deformation of hillsides and sea cliffs in seismic and mudflow areas of southeastern Kazakhstan] Deformatsii gornykh i beregovykh sklonov v usloviakh seismicheskikh i selevykh raionov Iugo-Vostochnogo Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1961. 154 p. (MIRA 14:7)

1. Akademiya nauk Kazakhskoy SSR (for Akhmedsafin)
(Kazakhstan—Geodynamics)

AKHMEDSAFIN, Ufa Mendbayevich; POGOZHEV, A.S., red.; ALFEROVA, P.F.,
tekhn. red.

[Methodology of drawing up forecasting maps, and survey of the
artesian basins of Kazakhstan] Metodika sostavleniya kart pro-
gnozov i obzor artezianskikh basseinov Kazakhstana. Alma-Ata,
Izd-vo Akad. nauk Kazakhskoi SSR, 1961. 106 p. (MIRA 15:4)
(Kazakhstan--Water, Underground)

AKHMEDSAFIN, U.M.; DAL'YAN, I.B.; SYDYKOV, Zh.S.

Artesian waters in the eastern Aral Sea region and conditions
of their formation. Izv. AN Kazakh. SSR. Ser. geol. no.2:86-
95 '61. (MIRA 14:7)

(Aral Sea region—Water, Underground)

AKHMEDSAFIN, U.M.; SYDYKOV, Zh.

Modification of M.G.Kurlov's formula. Gidrokhim.mat. 34:164-165
'61. (MIRA 15:2)

1. Institut geologicheskikh nauk AN Kazakhskoy SSR, g. Alma-Ata.
(Water--Composition)

AKHMEDSAFIN, U.M., akademik

Principal results of studying underground waters of the Virgin Territory and outlook for rural water supply. Vest. AN Kazakh.SSR 18 no.1:15-27 Ja '62. (MIRA 15:2)

1. Akademiya nauk Kazakhskoy SSR.
(Virgin Territory—Water, Underground)

AKHMEDSAFIN, Ufa M.

"Underground reservoirs and prospects for their utilization"

report to be submitted for the United Nations Conference on the Application of Science and Technology for the Benefit of the Less Developed Areas - Geneva, Switzerland, 4-20 Feb 63.

CHOKIN, Sh.Ch., otv. red.; AKHMEDSAFIN, U.M., red.; MAYZEL', S.Ya., red.; OSORGIN, A.V., red.; ZHUKOVA, N.D., red.; SEMENOV, M.N., red.; ALFEROVA, P.F., tekhn. red.

[Productive forces of central Kazakhstan] Proizvoditel'nye sily TSentral'nogo Kazakhstana; trudy sessii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Vol.5. [Power engineering, water supply engineering, construction, and transportation] Energetika i vodnoe khozaiistvo, stroitel'stvo i transport. 1959. 257 p.

(MIRA 15:12)

1. Ob'yedinennaya nauchnaya sessiya po problemam razvitiya proizvoditel'nykh sil TSentral'nogo Kazakhstana, Karaganda, 1958.
2. Institut energetiki Akademii nauk Kazakhskoy SSR (for Mayzel'). 3. Akademiya nauk Kazakhskoy SSR (for Chokin). 4. Institut geologicheskikh nauk Akademii nauk Kazakhskoy SSR (for Akhmedsafin). 5. Institut ekonomiki Akademii nauk Kazakhskoy SSR (for Osorigin).

(Kazakhstan--Water supply engineering)

(Kazakhstan--Construction industry)

(Kazakhstan--Transportation)

AKHMEDSAFIN, U.M., akademik

Prognostic maps of artesian and ground waters of Kazakhstan.
Vest. AN SSSR 33 no.10:47-51 O '63. (MIRA 16:11)

1. AN Kazakhskoy SSR, Institut geologicheskikh nauk AN Kazakhskoy
SSR.

AKHMEDSAFIN, U.M., akademik, otv. red.; RZHONDKOVSKAYA, L.S.,
red.; KOVALEVA, I.F., red.; SUVOROVA, R.J., red.

[Hydrogeological regionalization and the regional
evalustion of the resources of underground waters in
Kazakhstan] Gidrogeologicheskoe raionirovanie i regiona-
nal'naia otsenka resursov podzemnykh vod Kazakhstana.
Alma-Ata, Nauka, 1964. 306 p. (NIRA 18:2)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut
geologicheskikh nauk. 2. AN Kazakhskoy SSR (for Akhmedsafin).

L 48-90-65 ENT(1)/FCB/ECC(t)/BA(h) PC-1/TAB/PI-4 GW
ACCESSION NR: AP5009498 S/0030/65/000/003/0128/0150

AUTHORS: Vinogradov, A. P. (Academician); Gerasimov, I. P. (Academician);
Yanushin, A. L. (Academician); Sheerbakov, D. I. (Academician); Fayev, A. V.
(Academician); Sadovskiy, M. A. (Corresponding member AN SSSR); Akhmedsaifin, N. M.
(Academician AN KazSSR); Zaitsev, L. P. (Candidate of physico-mathematical
sciences); Ovchinnikov, I. M.

TITLE: Development of earth sciences in Central Asia and in Kazakhstan (Results
of a field trip of the Department of Earth Sciences)

SOURCE: AN SSSR. Vestnik, no. 3, 1965, 128-150

TOPIC TAGS: geoactivity, geochemistry, geochronological problem, geochronology,
geodesy, geography, geological survey, geology, geomagnetism, geophysical pros-
pecting, geophysical research, geophysics

ABSTRACT: The Presidium of the Academy of Sciences, SSSR heard the report of
academician A. P. Vinogradov, secretary of the Department of Earth Sciences, at
the session held on January 15. The speaker presented the results of the depart-
ment's trip (Oct. 1-11, 1964), organized by the Academies of Sciences of
Kazakhstan, Kirghizia, Tadzhikistan, Turkmenistan, and Uzbekistan, and the

Card 1/5

L 49340-65

ACCESSION NR: AP5009498

9

State Geological Committee SSSR. Establishing direct relations with the above academies was the immediate goal of the trip. The symposium on seismology (held in Tashkent) was reported on by M. A. Sadovskiy. The problems in this field were divided into three groups: 1) internal structure of the earth's crust and sedimentary mantle revealed by data obtained by different branches of the geosciences; 2) relation among different earthquake sources; 3) protection of the population and national economy from earthquake damage. It was recommended that a special service dealing with the earthquake forecasts be organized. Achievements of the symposium on hydrology were reported by U. M. Akhmedsafin. B. I. Kudelin (Moscow University) presented a paper on the drainage and renewal of ground water. U. M. Akhmedsafin spoke on the study of artesian basins in Kazakhstan. N. A. Kenesarin (Uzbek Institute of Hydrology and Engineering Geology) discussed the principal problems of theoretical hydrology. Zh. S. Sadykov (Academy of Sciences, Kazakh SSR) spoke on the seepage effect of underground brines and its meaning in the interpretation of ore-formation processes. G. A. Maylyanov presented an engineering-geological map of the arid Uzbekistan. V. G. Gafurov discussed irrigation principles and the forecast of hydrogeodynamic processes taking place in the irrigated areas. A. L. Yanshin spoke on utilization of artesian waters. N. A. Tsytovich recommended the organization of a specialised service for the problems of ground waters. The geographical problems in

Card 2/5

L 48340-65
ACCESSION NR: AP5009498

9

Central Asia were discussed at three interrelated geographic symposia held in Tashkent, Ashkhabad, and at Alma-Ata. The first dealt with the geographical aspects of irrigation in Central Asia; the second with the problems of desert conquest and the building of the Kara Kum canal; the third with the regulation of glacier melting in the mountains of Central Asia. Of special interest was the discussion of the future fate of the Aral Sea. Two opposite opinions were presented: V. L. Shul'ts stated that increased use of river waters for irrigation will cause a complete drying up of the sea. L. V. Dunin-Barkovskiy drew attention to the recent rise of the water level in the sea, explaining it by the peculiarities of water transpiration by different types of vegetation. F. F. Davitay however, explained the paradox by the water supply at the river sources at the Pamir-Altaï and Tyan'-Shan' divide. The results of the three sessions were summarized by Academician I. P. Gerasimov. Academician A. L. Yanshin reported on the main session of the Earth Sciences Department in Alma-Ata. R. A. Borukayev, A. K. Kayupov, G. F. Lypichev, and L. A. Mirochnichenko reported on the structural and metallogenic mapping of eastern Kazakhstan. G. B. Zhilinskii discussed problems in theoretical and experimental mineralogy. A. K. Kayupov spoke on the relation of endogenic metallogeny to the deep structure of the crust. I. P. Novokhantsev reported on iron and manganese deposits in Kazakhstan. Zh. S. Sadykov made a quantitative evaluation of artesian waters in the artesian basins,

Card 3/5

L 48340-65

ACCESSION NR: AP5009498

26

eolian sands, and deltaic deposits of this region. M. I. Varentsov described oil prospects in southeastern Kazakhstan. This topic was discussed in greater detail in the paper by P. Ya. Avrov, M. I. Varentsov, V. I. Ditmar and A. B. Li. Geophysical research in Kazakhstan was described by A. T. Andreyev, M. D. Morozov, V. V. Prodava, and V. I. Gol'dshmit. The session on the problems of ore genesis was held in Frunze, and its results were reported by Academician D. I. Shcherbakov. F. N. Shakhov and A. I. Tugarinov discussed the application of new precise methods in geology. V. T. Surgay reported on his study of regional geochemistry in the accumulation and localization of mercury ore. M. N. Al'tgauzen criticized the paper of F. I. Vol'fson on the theory of formation and distribution of endogene ore deposits. V. I. Knauf and Ye. I. Zubtsov presented a structural map of northern Kirghizya. A. B. Ronov spoke on the origin of ores in sedimentary and extrusive rocks of Tyan'-Shan'. A. U. Abdullayev formulated principal conditions for bauxite formation. G. I. Dayydyov discussed the polymetallic region of Moldotau. A. Dzhumaliyev spoke on the structure of ores in Dzhergalan. Academician A. V. Peysre reported the results of the Dushanbe session at which Academician D. S. Korzhinskiy discussed post-magnetic processes. Yu. V. Riznichenko spoke on seismic activity and the energy of earthquakes. R. B. Baratov and S. A. Zakharov delineated the possible connection between geochemical processes and seismic phenomena. V. N. Gaitskiy discussed problems

Card 4/5

L 49340-65
ACCESSION NR: AP5009498

12

related to the study of seismic processes. The session in Ashkhabad was reported by L. P. Zaitsev, candidate of physico-mathematical sciences. It started with the paper of M. A. Sadovskiy who described the problems of earthquake forecasting. K. K. Mulyukov and A. A. Dzabayev presented new information on the deep structure of Western Turkmenistan. I. N. Smirnov described the general structural history of the Alpian-Himalayan mobile belt and the adjacent transition zone. I. M. Ovchinnikov reported to the Presidium the results of the Tashkent session at which V. V. Dolgushov presented the paper "Earth crust and the upper mantle" of continents. A. S. Utkolskiy discussed the origin of natural sulfur. A. A. Malakhov described the metallogenetic peculiarities and types of the Uzbek ores. N. D. Vol'fson, V. G. Gar'kovets, and A. G. Khvalovskiy analyzed the application of geochemical and geophysical methods to exploration. The Presidium of the Academy of Sciences SSSR approved the work of the Department of Earth Sciences, presented its resolutions, and expressed its gratitude to Academician A. P. Vinogradov, the secretary of the Department, and to the members of the organization committee.

ASSOCIATION: none

SUBMITTED: 00
NO REF Sov: 000
Card 5/5

ENCL: 00
OTHER: 000

SUB CODE: 00

AKHMEDSAFIN, U.M., akademik; AVROV, P.Ya.; ZHAPARKHANOV, S.Zh., kand. geologo-mineral. nauk; LI, A.B., kand. geologo-mineral. nauk; TSIREL'SON, B.S.

Artesian waters of cretaceous deposits of the eastern Kysyl Kum and the Arys' Depression and the outlook for their use. Vest. AN Kazakh. SSR 21 no.6:38-46 Je '65. (MIRA 18:7)

1. Akademiya nauk Kazakhskoy SSR (for Akhmedsafin). 2. Chlen-korrespondent AN Kazakhskoy SSR (for Avrov).

AKHMEDSAFIN, U.M.

Formation of underground and artesian waters in Kazakhstan.

Trudy Inst. geol. nauk AN Kazakh. SSR no.14:3-25 '65.

(MIRA 19:1)

AKHMEDYANOV, I. S.

"Designing Cylindrical Shells Reinforced by Bulkheads."

report presented at the 13th Scientific Technical Conference of the Kuybyshev
Aviation Institute, March 1959.

AKHMED'YANOV, I.S.

Method for integrating equations of the bending of a spherical
shell subjected to axisymmetric loading. Izv.vys.ucheb.zav.;
av.tekh. 5 no.3:62-70 '62. (MIRA 15:9)
(Flexure) (Differential equations)

L 6431-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k)/EWA(h)/EIC(g)

ACC NR: AP5020635

SOURCE CODE: UR/0147/65/000/003/0046/0051

AUTHOR: Akhmed'yanov, I. S.

ORG: None

TITLE: The strain temperature of a thin spherical shell subjected to axisymmetric heating

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 3, 1965, 46-51

TOPIC TAGS: spheric shell structure, shell theory, thin shell structure, shell structure stability, strain, heat stress, stress distribution, temperature distribution

ABSTRACT: The problem of the strains and stresses in a symmetrically heated spherical shell has been examined elsewhere. E. Melan and G. Parkus (Termouprugkiye napryazheniya, vyzyvayemye stationarnymi temperaturnymi poljami. M., Fizmatgiz, 1958) reduced the solution of this problem to the integration of a system of two heterogeneous equations with respect to Q (transverse force) and ϑ (deflection angle of the normal to the median surface). The question of the integration of the equations obtained, however, remained unresolved. V.N. Pastushikhin managed to obtain a solution to this problem by reducing the integration of one heterogeneous equation of the fourth order with respect to ϑ . The disadvantage of this method is the fact that in order to calculate the value of the right-hand side of the equation for ϑ it is necessary to perform triple differentiation of the function which defines the temperature distribution on the shell. In view of this, the present article presents a method of calculating the

UDC: 539.3+629.13.012.2

Card 1/3

0901 1992

L 6431-66

ACC NR: AP5020635

symmetric temperature strains of a spherical shell, free of the disadvantage of Pastushikhin's method. The method proposed is based on the exact integration of the equation of the deflection of the spherical shell. The results of application of the method proposed to the calculation of the temperature stresses in a spherical shell closed at the top and rigidly clamped at the bottom are presented. A diagram (Fig. 1) shows the graphs of the variation of the stresses

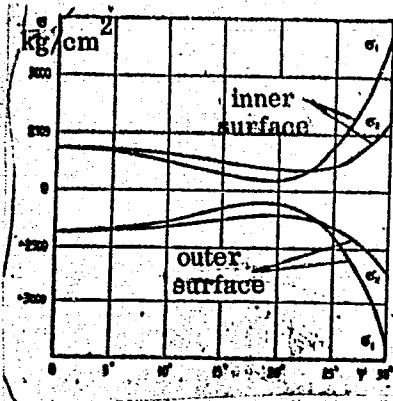


Fig. 1. Stress variations of spherical shells.

Card 2/3

L 6431-66

ACC NR: AP5020635

δ_1 and δ_2 , calculated at points of internal
and external

$$\left(z = \frac{b}{2} \right)$$

surfaces of the shell.

$$\left(z = -\frac{b}{2} \right)$$

Orig. art. has: 1 figure and 18 formulas.

SUB CODE: AS, TD / SUBM DATE: 30Mar64 / ORIG REF: 009

nw
Card 3/3

AKHMEDZADE, A.A.

Reducing heat loss and prolonging the service period of tube
furnaces. Azerb.neft.khoz. 35 no.6:28-30 Je '56. (MLRA 9:10)

(Furnaces) (Petroleum--Refining)

AUTHOR:

Akhmed-Zade, A.A.

SOV-90-58-10-4/9

TITLE:

An Oil Economizer for the Furnaces of Oil Refineries (Nef-
tyanoy ekonomayzer dlya neftezavodskikh pechey)

PERIODICAL:

Energeticheskiy byulleten', 1958, Nr 10, pp 9 - 13 (USSR)

ABSTRACT:

The author states that the optimum temperature of the flue gases leaving the convection chamber of a furnace should be roughly 150° above that of the raw material to be heated. Due to defect in the design, and due to working conditions, the convective surface does not operate efficiently, and the flue gases carry away 20-30% of the heat of the burnt fuel. This raises the question of the secondary use of the heat of the flue gases. The author lists the defects of current types of air and steam preheaters, and says that these defects are completely absent in the "pipe within a pipe" air preheater. An important advantage of the latter is that additional resistance is not introduced into the gas tract of the furnace and the combustion products leaving the furnace via the chimney are not subject to cooling. After discussing the defects of P-shaped tubular air preheaters, the author says that it is necessary to install tubular air heaters which provide for the movement

Card 1/3

An Oil Economizer for the Furnaces of Oil Refineries SOV-90-58-10-4/9

of air which is transverse to the tubes and counter to the flue gases. He then gives reasons why the heat of the discharged gases should not be used for heating only the air, but the raw material as well. He gives a description of the oil economizer. It can be designed either in the form of a furnace convective surface or a tubular apparatus with the gases moving transversely through a space in the tube. It should be installed above the flue and incorporated between the convection chamber of the furnace and the air preheater. The two-chamber tubular furnace has a radiation surface of 300 sq m, a convective surface of 250 sq m. The surface of the steam superheater is 100 sq m, and that of the air preheater 360 sq m. The useful thermal load is equal to 13.5×10^6 kgm calories per hr. In order to increase the capacity of the installation, a new furnace with a thermal load of 3.5×10^6 kgm calories per hour is required. The author then gives formulae for the amount of oil (which has the light benzine fraction removed) to be heated in a new boiler, and other parameters. He concludes by stating that the installation of an oil economizer saves the construction

Card 2/3

An Oil Economizer for the Furnaces of Oil Refineries SOV-90-58-10-4/9

of a new furnace consuming 4,000 tons of fuel per year, with a heat-producing capacity of 10,000 kgm calories, and representing a highly effective thermal aggregate (a tubular furnace with an efficiency of about 82%). There are 3 diagrams.

1. Petroleum--Processing 2. Furnaces--Equipment 3. Heat exchangers--Design 4. Combustion chamber gases--Applications

Card 3/3

AKHMED-ZADE, A.A.

Some methods for efficient utilization of heat in atmospheric tubular units. Sbor. trud. Az NII NP no. 4: 291-299 '59. (MIRA 15:5)
(Petroleum refineries—Equipment and supplies)

AKHMED-ZADE, A.A.

Practicability of converting ring burners into flameless panel
burners in the Baku petroleum refineries. Azerb. nefti. khoz.
40 no. 3:38-40 Mr '61. (MIRA 14:5)
(Baku--Gas burners)

AKHMEDZADE, A.A.

Efficient grouping of the chambers of a petroleum refinery
tubestill. Azerb.neft.khoz. 40 no.8:41-43 Ag '61. (MIRA 15:2)
(Petroleum refineries--Equipment and supplies)

ALIYEV, Z.E.; AKHMEDZADE, A.A.; PRYANIKOV, Ye.I.; AGAMIRZOV, N.A.;
KACRAMANOVA, F.A.; SHTEYNSHNAYDER, Ye.M.

Increasing the yield of oil, using a dewaxing installation.
Sbor. nauch.-tekhn. inform. Azerb. inst. nauch.-tekhn. inform.
Ser. Nefteper. i khim. prom. no.2:14-20 '62.

(MIRA 18:9)

AKIMEDZADE, Akhmed Dzhebrail

[How to grow house plants] Otag bitkileri. Baky,
Azernehr, 1964. 27 p. [In Azerbaijani] (MIRA 17:5)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100610018-4

and pour point depressant.

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100610018-4"

KULIYEV, A.M.; ORUDZHEVA, I.M.; ZEYNALOVA, G.A.; AKHMED-ZADE, D.A.;
ATAL'YAN, A.A.; LEVSHINA, A.M.; SADYKHOV, K.I.

Studies in the synthesis and use of additives for lubricating
oils. Sbor. trud. AzNII NP no.2:207-224 Ag '58.
(MIRA 12:6)
(Lubrication and lubricants—Additives)

KULIYEV, A.M.; AKHAIKD-ZADE, D.A.; SADYKHOV, K.I.

Study of detergent additives to automobile lubricants and their
synthesis from salts of sulfonic acids. Sbor. trud. AzNII NP no. 2:
244-255 Ag '58. (MIRA 12:6)

(Lubrication and lubricants--Additives)
(Sulfonic acids)

KULIYEV, A.M.; AKHMED-ZADE, D.A.

Preparation of combination additives from sulfonated petrolatum.
Sbor. trud. Az NII NP no. 4:183-190 '59. (MIRA 15:5)
(Petrolatum) (Lubrication and lubricants--Additives)

22286

S/152/61/000/004/009/009
B126/B219

15.5540 2205 1372

AUTHORS: Mekhtiyev, S. D., Akhmedzade, D. A., Yasnopol'skiy, V. D.,
Zakharyan, G. S.

TITLE: The action of sulfuric acid on dinitrile of terephthalic acid

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, no. 4,
1961, 121-122

TEXT: The authors learned from patent literature (Ref.2, Magat E., Chem. Abs., v. 47, no. 10, 5129, 1953) that on treatment with sulfuric acid, equimolecular quantities of the dinitriles of aliphatic and aromatic acids with dissecondary alcohols form polyamides suitable for fiber preparation. It was therefore decided to test this method in the reaction of terephthalic nitrile with ethylene glycol. The experiment was carried out according to the instructions of the patent, i.e. 1 g terephthalic nitrile and 1.5 g ethylene glycol were filled into a flask, and then 9 g concentrated sulfuric acid were added. After 24 hr, the acid was poured into ice water, the polymeric precipitate was rinsed and air-dried. A white powdery substance was obtained which neither melted nor softened up

Card 1/2

26198
S/081/61/000/012/026/028
B103/B202

15.6600
11.9700
AUTHORS: Kuliyev, A. M., Orudzheva, I. M., Zeynalova, G. A., Atal'yan,
A. A., Akhmed-Zade, D. A., Levshina, A. M., Sadykhov, K. I.,
Abdinova, A. B.

TITLE: Synthesis of organic compounds containing various functional
groups and their applications to improve the quality of
lubricating oils

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 12, 1961, 530, abstract
12M225. (Tr. 1-y Konferentsii zakavkazsk. un-tov. Baku,
Azerb. un-t, 1959, 111-123)

TEXT: The authors present the results of research work which has been
conducted for many years in the Azerbaydzhanskaya SSR concerning the synthesis
and the choice of additives to lubricating oils. The following compounds
were synthesized and their properties were studied: mono-, di-, and trialkyl
derivatives of benzene, naphthalene, tetraline, anthracene, and phenanthrene;
alkyl benzene-, alkyl naphthalene-, alkyl phenol-, and alkyl tetraline
sulfonates of Ca, Ba, Sr, Pb, and Cu; mono- and dialkyl phenols; mono- and

Card 1/2

Synthesis of organic compounds ...

26198
S/081/61/000/012/026/028
B103/B202

3
X

disulfides of alkyl phenols and their Ba and Ca salts; tri-(alkylphenol)-phosphites and their mono- and disulfide derivatives; mono- and dialkyl ureas; condensation products of urea with aldehydes and alkyl phenols. The depressor АЗНИИ (Aznii) (dialkyl naphthalene, in which alkyls originate from chlorinated paraffin) from the year 1947, detergents for motor oils Aznii-4 from the year 1949 and Aznii-5 (both sulfonates) were industrially used. The multifunctional additives to the motor oils Aznii-7 and Aznii-8 (both salts of the alkyl phenol sulfides) and an additive stabilizing the mineral oil obtained by condensation of urea with aldehyde and alkyl phenol, were recommended for introduction into industry. [Abstracter's note: Complete translation.]

Card 2/2

AKHMEDZADE, D.A.; YASNOPOL'SKIY, V.D.; AVETISYAN, S.I.

Dehydrogenation of a vat residue after the removal of cumene
by distillation from a catalizate obtained in the alkylation
of benzene with propylene in the presence of aluminum. Azerb.
khim.zhur. no.1:55-64 '61. (MIRA 14:8)
(Benzene) (Dehydrogenation) (Propene)

MEKHTIYEV, S.D.; AKHMEDZADE, D.A.; YASNOPOL'SKIY, V.D.; ZEKHARYAN, G.S.

Action of sulfuric acid on dinitrile of terephthalic acid.
Izv. vys. ucheb. zav.; neft' i gaz 4 no.4:121-122 '61.

(MIRA 15:5)

1. Azerbaydzhanskiy institut nefti i khimii imeni Azizbekova i
Institut neftekhimicheskikh protsessov AN Azerbaydzhanskoy SSR.
(Sulfuric acid) (Nitrile)

AKHMEDZADE, D.A.; YASNOPOL'SKIY, V.D.; BAKHSHIZADE, A.M.;
KHANLAROVA, M.A.; MEKHTIYEVA, M.

On polymerization of propylene. Azerb. khim. zhur. no.2:
(MIRA 16:8)
51-53 '63.

L 18949-65 EWT(m)/EPP(c)/EMP(j)/T Pe-L/Pr-L RM

S/0316/64/000/003/0065/0068

ACCESSION NR: AP4049430

AUTHOR: Akhmedzade, D.A., Yasnopol'skiy, V.D.

TITLE: Effect of the conditions of synthesis on polymer properties

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 3, 1964, 65-68

TOPIC TAGS: polymer synthesis, polymer physical property, polymerization condition, xylylene glycol, terephthalic acid, xylylene bromide, terephthalyl chloride, dimethyl-terephthalic acid

ABSTRACT: Polymers based on p-xylylene glycol and terephthalic acid were synthesized under varying polymerization conditions, and the effect of these conditions on the product was determined. Heating an equimolar mixture of sodium terephthalate and p-xylylene bromide in the presence of a catalyst (10 hours) in a water bath produced a white powder which contained 60% of the product (without a solvent). Heating p-xylylene glycol with an equimolar amount of terephthalic acid at 150-160°C. produced white rubbery films which melted at 120-123°C. Heating a mixture of dimethylterephthalate with p-xylylene glycol in the presence of a 1.2% zinc acetate catalyst for 5.5 hours at 150-230°C. produced a white polymer melting at 247-250°C.

Cord 1/2

L 18949-65
ACCESSION NR: AP4049430

A temperature higher than 200C turned it brown. Heating reagents dissolved in paraffins at 180C for 3-7 hours produced polymers, the m.p. of which increased from 190 to 230C and then decreased on account of thermal decomposition. Orig. art. has: 1 table and 2 structural formulas.

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 002

ENCL: 00

OTHER: 004

SUB CODE: OC, MT

Card 2/2

AKHMEDZADE, D.A.; YASNOPOL'SKIY, V.D.; KERIMOVA, M.M.; KRASNOSEL'SKAYA,
Ye.A.

Nitrosation of methylcyclohexane and cyclohexanecarboxylic
acid. Zhur.prikl.khim. 37 no. 1:228-229 Ja '64. (MIRA 17:2)

N L 11582-66 EWT(m)/EWP(j) DJ/RM
ACC NR: AP5028888 SOURCE CODE: UR/0316/65/000/004/0003/0005
AUTHOR: Akhmedzade, D. A.; Yasnopol'skiy, V. D.; Zakharyan, A. S.; Magerramova, A. D.
ORG: INKhP AN AzerbSSR
TITLE: Thickening of low viscosity lubricating oils by the addition of polypropylene
with low molecular weight
SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 4, 1965, 3-5
TOPIC TAGS: lubricant, lubricant property, fuel and lubricant additive, lubricant
viscosity, polyisobutylene, polypropylene plastic, synthetic material, lubricant additive,
viscosity additive
ABSTRACT: The possibility of replacing polyisobutylene by low molecular weight poly-
propylene as a thickening additive for lubricating oils is examined. The polyisobu-
tylene and polypropylene used in this study had a molecular weight of 20,000. The
polypropylene was a by-product of propylene polymerization and was extracted with nor-
mal pentane at low and high temperatures. Thickening effectiveness was examined by
mixing 3% polymer additive with MK-8 commercial grade lubricating oil and 5% polymer
additive with "L" commercial turbine oil. The results (viscosity, viscosity index,
induction period, etc.) indicate that the by-product polypropylene is equivalent to
polyisobutylene as a thickening additive for commercial lubricating oils. Orig. art.
has: 3 tables.
SUB CODE: 11/ SUBM DATE: 21Jul64/ ORIG REF: 003/ OTH REF: 000

L 46993-66 EWP(j)/EWT(m)/T IJP(c) RM/WW
ACC NR: AP6027273 (A) SOURCE CODE: UR/0191/66/000/008/0012/0015

AUTHOR: Akhmedzade, D. A.; Yasnopol'skiy, V. D.; Gevorkova, Ye. N.; Magerramova, A. D.; Mamedova, D. A.; Aslanova, A. A.; Shabanov, A. L.; Kerimova, M. M.

ORG: none

TITLE: Organophosphorus stabilizers for polypropylene

SOURCE: Plasticheskiye massy, no. 8, 1966, 12-15

TOPIC TAGS: organic phosphorus compound, polypropylene plastic, chemical stabilizer

ABSTRACT: Thirteen different organophosphorus compounds were synthesized and tested as stabilizers of thermal and light aging of polypropylene. All were found to be better than thermostabilizers, except one, which was also effective against light aging. Analysis of the data from the standpoint of the structure of the compounds tested indicates that organophosphorus stabilizers for polypropylene should be prepared from alkyl phenols rather than esters of salicylic acid. Because of natural aging in air after the action of the stabilizer has ceased, the mechanical strength of polypropylene decreases; in this connection, the effect of the same stabilizers on secondary polypropylene was studied, and a slight diminution of the effectiveness of the stabilizer was observed. It is shown that by suitably selecting the stabilizer and its concentration, one can effectively improve the aging properties of secondary polypropylene. The organophosphorus compounds act not only as stabilizers, but in some cases also promote

UDC: 678.742.3:678.048.9

Cord. 1/2

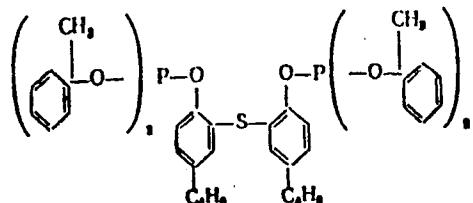
40

B

L 46993-66

ACC NR: AP6027273

cross-linking in the polymer. The most effective stabilizer has the formula



Orig. art. has: 2 tables.

SUB CODE: 07,11/ SUBM DATE: none/ ORIG REF: 002

Card 2/2

MAMEDALIYEV, Yu.G. [deceased]; ISMAYLOV, R.G.; MAMEDALIYEV, G.M.;
ALIYEV, S.M.; GUSEYNOV, N.I.; AKHMED-ZADE, Z.A.

Dehydrogenation of alkyl aromatic hydrocarbons in a fluidized
bed of various oxide catalysts. Dokl. AN Azerb. SSR 20 no.5:
7-10 '64.
(MIRA 17:8)

1. Institut neftekhimicheskikh protsessov AN AzSSR imeni
Yu.G.Mamedaliyeva.

AKHMEDZADE, Z.A.

USSR / Plant Diseases. Diseases of Cultivated Plants

N-3

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 22991

Author : Ibragimov, G.R., Akhmedzade, Z.A.

Title : The Study of Diseases of Some Fruit Varieties in the Nukha-Zakhatal Zone of Azerbaidzhan.

Orig Pub : Elmi eserler Azerb. universiteti, uch. zap. Azerb. un-ta, 1956, No 1, 81-87

Abstract : The result of a single study of the degree of fruit diseases is given for lower, middle and foothill ecologic zones in the Zakhatal rayon of Azerbaidzhan SSR. It is pointed out that in Azerbaidzhan SSR black canker are found not only in apple and pear trees, but also on apricot, maple, oak, rose, walnut and others.

AKHMED-ZADE, AZ. A.

IBRAGIMOV, G.R.; ISRAFILBEKOV, L.A.; AKHMED-ZADE, Z.

Survey of some species of powdery mildew fungi of Azerbaijan. Uch.zap.
AGU no.6:59-69 '56. (MLRA 10:5)
(Azerbaijan--Mildew)

NAMENZADE - Z.A.

IBRAGIMOV, I.R.; ISRAFILBEKOV, L.A.; AKHMEDZADE, Z.A.

Survey of some species of powdery mildew fungi occurring in Azerbaijan. Uch. zap. AGU no. 3:59-66 '57. (MIRA 11:1)
(Azerbaijan--Mildew)

ISRAFILBEKOV, L.A.; AKIMED-ZADE, Z.A.

Fungi of the genus *Septoria* Fries occurring in the Azerbaijan S.S.R.
Uch. zap. AGU. Biol. ser. no. 5:17-25 '59. (MIRA 15:5)
(AZERBAIJAN--SEPTORIA)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100610018-4

AKHMED-ZADE, Z.A.

Fusarium wilt of tomatoes in Azerbaijan. Uch. zap. AGU. Biol. ser.
no, 5:27-33 '59. (MIRA 15:5)
(AZERBAIJAN--TOMATO WILT)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100610018-4"

AKHMED-ZADE, Z.A.

Big bud of tomatoes in Zakataly District. Uch. zap. AGU.
Biol. ser. no.6:27-33 '60. (MIRA 15:12)
(Zakataly District—Tomatoes—Diseases and pests)
(Zakataly District—Virus diseases of plants)

AKHMEDZHANOV, K.: Master Med Sci (diss) -- "The hygienic characteristics of the dust from a lead-and-zinc mine, and the prophylaxis of silicosis". Tashkent, 1958. 16 pp (Tashkent State Med Inst), 230 copies (KL, No 9, 1959, 117)

L 28005-66 EWT(1) RO

ACC NR: AP6018194

SOURCE CODE: UR/0242/65/000/004/0003/0007

AUTHOR: Smetanin, N. I.; Zairov, K. S.; Akhmedzhanov, K. A.25
B

ORG: None

TITLE: Certain questions concerning sanitary and hygienic evaluation of the use of
poisonous chemicals in Uzbekistan

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 4, 1965, 3-7

TOPIC TAGS: toxicology, experiment animal, agriculture science
ABSTRACT: The authors classify the poisonous chemicals used in agriculture, particularly on cotton, in Uzbekistan into the four groups established by the Ukrainian Institute of Labor Hygiene and Occupational Diseases, on the basis of tests with laboratory animals: Group I with an LD₅₀ of less than 50 mg per kg; Group II with an LD₅₀ of 50-200 mg per kg; Group III with an LD₅₀ of 200-1000 mg per kg; and Group IV with an LD₅₀ over 1000 mg per kg. The authors apply the recommendations of Sbornik Ofitsial'nykh Materialov (Collection of Official Materials): Groups I should not be allowed in production research, since these chemicals cannot be used in agriculture; Group II may be permitted in production experiments under the strictest precautions. The authors present a table of 29 agricultural chemicals used in Uzbekistan, listing their use, LD₅₀ for laboratory animals, skin permeability and lethal dose, accumulative capacity, volatility, odor, and maximum permissible dose. They conclude that the five chemicals belonging to Group I should be replaced with less dangerous substances.
Orig. art. has: 1 table. [JPRS]

SUB CODE: 06, 02 / SUBM DATE: 25May64

2

S/031/63/000/003/003/003

B112/B234

AUTHOR: Akhmedzhanov, Kh.

TITLE: Some properties of the motion of a viscous
incompressible fluid coherent with the rotation
of an infinite circular cylinder which is placed
between two parallel planes

PERIODICAL: Akademiya nauk Kazakhskoy SSR. Vestnik, no. 3(215),
1963, 76-80

TEXT: The problem under consideration is described by the
equation

$$\Delta \psi = 0 \quad (2)$$

Card 1/4

S/831/63/000/003/003
B112/B234

Some properties of ...

with the boundary conditions

$$\psi/L_1 = \text{const}; \quad \partial\psi/\partial n \Big|_{L_1} = -1 \quad (1)$$

$$\psi/L_2 = 0; \quad \partial\psi/\partial n \Big|_{L_2} = 0.$$

Card 2/4

S/031/63/000/003/003/003
B112/B234

Some properties of ...

The solution is obtained in the form

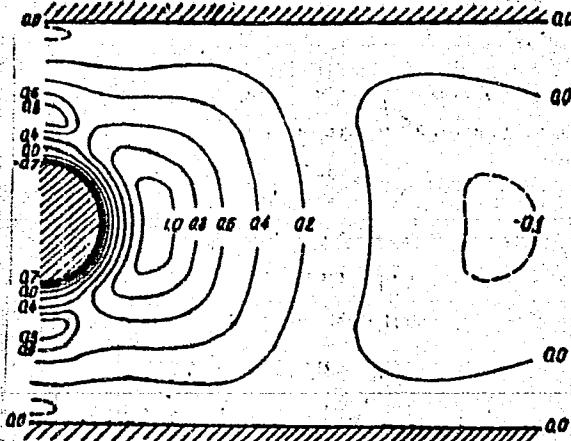
$$\psi = -Q \ln r^3 + A_0 + B_0 r^3 - b_0 \frac{1}{r^3} + \sum_{n=1}^{\infty} [A_{1n} r^{2n} - B_{1n} r^{2(n+1)}] \cos 2n\theta -$$
$$- \sum_{n=1}^{\infty} \left[a_{2n} \frac{1}{r^{2n}} - b_{2n} \frac{1}{r^{2(n+1)}} \right] \cos 2n\phi. \quad (8)$$

Card 3/4

S/031/63/000/003/003/003
B112/B234

Some properties of ...

The numerical evaluation is illustrated by the figure.



There is 1 figure.

Card 4/4

AKHMEDZHANOV, Kh.A.

Investigating the operation of a flowmeter with a rotating
wheel. [Trudy] LO NTO Priborprom no.4:190-197 '59.
(MIRA 13:2)
(Flowmeters)

AKHMEDZHANOV, M.

Characteristics of carbonate sediments in the Kurama subzone
and their role in ore formation. Uzb.geol.zhur. no.2:20-34
'59. (MIRA 12:8)

1. SAIGIMS.

(Kurama Range--Carbonates (Mineralogy)
(Chatkal Range--Carbonates (Mineralogy)

AKHMEDZHANOV, M.

AKHMEDZHANOV, M.: "The selection of rational speeds of movement and systems of operating the engine of a caterpillar-type plowing tractor in irrigated cotton raising." Min Higher Education USSR. Chelyabinsk Inst of Mechanization and Electrification of Agriculture. Chelyabinsk, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences)

Knizhnaya letopis', No 39, 1956, Moscow.

AKHMEDZHANOV, M.

Work of tractor units at high speeds on cotton farms. Izv. AN Uz.
SSR no. 12:15-24 '56. (MIRA 14:5)
(Uzbekistan—Cotton growing)
(Tractors)

AKHMETZHANOV, M., inzh.

Increasing the working speeds of tractor-cultivators in irrigated
cotton fields. Mekh.i elek.sots.sel'.khoz.no.6:12-14 '57.
(MIRA 10:12)

1. Soyuznyy nauchno-issledovatel'skiy institut khlopkovodstva.
(Tractors) (Cultivators)

AHMEDZHANOV, M., inshener.

Indicators of engine fuel feeds. Priborostroenie no.9:23 8 '57.
(MIRA 10:10)
(Tractors--Engines) (Measuring instruments)

AKHMEDZHANOV, M., kand.tekhn.nauk

Operate tractor-driven machinery at increased speeds. Mauka
i pered.op. v sel'khoz. 9 no. 3:42-44 Mr '59. (MIRA 12:5)
(Agricultural machinery)

AKHMEDZHANOV, M., kand.tekhn.nauk

Without manual labor. Nauka i pered.op.v sel'khoz. 9 no.9:
13-14 S '59. (MIRA 13:2)
(Cotton machinery)

AKHMEDZHANOV, M., kand.tekhn.nauk

Performance of tractor-driven machinery at increased speeds. Tekh.
v sel'khoz. 20 no.6:43-45 Je '60. (MIRA 13:10)

1. Uzbecksiy nauchno-issledovatel'skiy institut mekhanizatsii i
elektrifikatsii oroshayemogo zemledeliya.
(Agricultural machinery)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100610018-4

AKHMEDZHANOV, M.

Testing traction qualities of a row crop caterpillar tractor adjusted
for various types of operation. Trudy TIIIMSKH no.19:3-10 '62.
(MIRA 17:1)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100610018-4"

AKHMEDZHANOV, M. A., Cand Geol-Min Sci -- (diss) "Carbonate Devonian deposits and carbonate deposits of carbon in the Chatkalo-Kuraminskiye Rivers and their role in ore formation." Tashkent, 1960. 20 pp; 1 page of schematics; (Inst of Geology of the Academy of Sciences Uzbek SSR, Central Asiatic Scientific Research Inst of Geology and Mineral Resources, Main Administration of Geology and Conservation of Resources under the Council of Ministers Uzbek SSR); 200 copies; price not given; (KL, 28-60, 158)

AKHMEDZHANOV, M.A.

Types of enclosing carbonate rocks in the Chatkal and Kurama Ranges
and their role in ore deposition. Uzb.geol.zhur. no.1:21-26 '60.
(MIRA 13:6)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i
mineral'nogo syr'ya.

(Kurama Range--Ore deposits)
(Chatkal Range--Ore depositories)

AKHMEDZHANOV, M.A.

Lithostratigraphic characteristics of middle Paleozoic carbonate formations in the Chatkal and Kurama Ranges. Uzb. geol. zhur. no.2:33-38 '60. (MIRA 13:10)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i mineral'nogo syr'ya.
(Chatkal Range--Geology, Stratigraphic)
(Kurama Range--Geology, Stratigraphic)
(Rocks, Carbonate)

AMPLEVSKAYA, S.V.; AKHMEDZHANOV, M.A.

Specific resistance of soils in the Golodnaya Steppe. Mat.
po proizv. sil. Uzb. no.15:101-~~105~~-160. (MIRA 14:8)

1. Nauchno-issledovatel'skiy institut mekhanizatsii i energetiki
lesnoy promyshlennosti Uzbekskoy Akademii sel'skokhozyaystvennykh
nauk.
(Golodnaya Steppe—Soil mechanics)

AKHMEDZHANOV, M.A.; MIRKAMILOV, A.M.; ISAKDZHANOV, B.I.

Remarks on the Paleozoic stratigraphic scale of the Chatkal
subzone. Uzb.geol.zhur. 6 no.3:77-80 '62. (MIRA 15:6)

1. Institut geologii AN UzSSR.
(Soviet Central Asia—Geology, Stratigraphic)

AKRAMKHODZHAYEV, A.M.; AKHMEDZHANOV, M.A.; BABAYEV, A.G.; BARAYEV, K.L.;
BATALOV, A.B.; BASHAYEV, N.P.; BAYMUKHAMEDOV, Kh.N.; BRAGIN,
K.A.; BORISOV, O.M.; GABRIL'YAN, A.Sh.; GAR'KOVETS, V.G.;
GOR'KOVOY, O.P.; GRIGORYANTS, S.V.; IBADULLAYEV, S.I.; ISMAILOV,
M.I.; ISAMUKHAMEDOV, I.M.; KAKHKHAROV, A.; KENESARIN, N.A.;
KRYLOV, M.M.; KUCHUKOVA, M.S.; LORDKIPANIDZE, L.N.; MAVLYANOV,
G.A.; MOTSOKINA, T.M.; MALAKHOV, A.A.; MIRBABAYEV, M.Yu.;
MIRKHODZHIYEV, I.M.; MUSIN, R.A.; NABIYEV, K.A.; PETROV, N.P.;
POPOV, V.I.; PLATONOVA, N.A.; RYZHKOV, O.A.; SAYDALIYEVA, M.S.;
SERGUN'KOVA, O.I.; SLYADNEV, A.F.; TULYAGANOV, Kh.T.; UKLONSKIY,
A.S.; KHAMRABAYEV, I.Kh.; KHODZHIBAYEV, N.N.; CHUMAKOV, I.D.;
SHAVLO, S.G.

Khabib Mukhamedovich Abdullaev; obituary. Uzb.geol.zhur. 6
no.4:7-9 '62. (MIRA 15:9)
(Abdullaev, Khabib Mukhamedovich, 1912-1962)

AKHMEDZHANOV, M.A.; BENSH, F.R.; BORISOV, O.M.; RYZHKOV, O.A.

Development of studies in stratigraphy, tectonics, and areal
geology. Uzb. geol. zhur. 6 no.6:25-32 '62. (MIRA 16:2)
(Uzbekistan—Geology)

S/058/63/000/003/042/104
A062/A101

AUTHORS: Akhmedzyanov, M. A., Slesareva, V. I., Khaykin, M. S., Kukhtin,
V. A., Borin, A. V.

TITLE: About the influence of some antioxidants on the photographic properties and conservation of emulsion layers

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 84, abstract 3D575
("Tr. Vses. n.-i. kinofotoin-ta", 1962, no. 46, 31 - 35)

TEXT: A study was made on the influence of some derivatives of polyphenols and hydrazine on the photographic properties and conservation of sensitized emulsion layers. It was found that phenylhydrazone of glucose and phenylglucosazone contribute to improve the conservability of sensitized light-sensitive layers. There are 12 references.

[Abstracter's note: Complete translation]

Card 1/1

AKHMEDZHANOV, M.A.; BORISOV, O.M.; MUSIN, R.A.; YAKUBOV, D.Kh.

Tectonic pattern of the Almalyk ore zone. Uzb. geol. zhur.
7 no. 3:55-61 '63. (MIRA 16:11)

1. Institut geologii imeni Kh.M. Abdullayeva AN UzSSR.

KHAMRABAYEV, I.Kh.; KHMEDZHANOV, M.A.; BORISOV, O.M.; GAR'KOVETS, V.G.;
SHMULEVICH, A.D.

Some characteristics of Cimmerian and Alpine metallogeny in
Uzbekistan. Zakonom.razm.polezn.iskop. 7:295-299 '64.
(MIRA 17:6)

1. Institut geologii AN UzbSSR; Glavnoye upravleniye geologii
i okhrany nedr pri Sovete ministrov UzbSSR; Sredneaziatskiy
institut geologii i mineral'nogo syr'ya.

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100610018-4

AKHMEDZHANOV, M.A.; MUSIN, R.A.; MIRKAMILOV, A.; YARMUKHAMEDOV, A.R.

Devonian red formation in the Chatkal-Kurama Mountains and its
copper potential. Zap. Uz. otd. Vses. min. ob.-va no.16:114-
121 '64. (MIRA 18:6)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100610018-4"

ARIPOV, A.A.; AKHMEDZHANOV, M.A.; BORISOV, O.M.; KURBANIYAZOV, K.;
RADZHABOV, F.Sh.

Oil and gas potentials of Paleozoic sediments in Ustyurt and
areas adjacent to it. Uzb. geol. zhur. 8 no.4:30-37 '64.
(MIRA 18:5)
1. Institut geologii i geofiziki imeni Abdullayeva AN UzSSR.

AKHMEDZHANOV, M.A.; BORISOV, O.M.; ISAKDZHANOV, B.I.

Age of the gabbro-diorite-porphyrite intrusion in the Chatkal
River basin. Dokl. AN Uz. SSR 21 no.9:37-40 '64.

(MIRA 19:1)

1. Institut geologii i geofiziki imeni Abdullayeva AN UzSSR.

2025 RELEASE UNDER E.O. 14176. DECLASSIFICATION/DESPERATION

AUTHORS: Saidov, M. S.; Sultanov, I.; Akhmedzhanov, N. R.

TITLE: Concerning impurities in germanium and silicon

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 2, 1965, 72-74

TOPIC TAGS: germanium, silicon, nonequilibrium carrier, annealing effect, impurity solubility, impurity carrier lifetime

ABSTRACT: The authors present the results of a determination of the lifetime of nonequilibrium carriers in silicon of relatively high resistivity, exposed to prolonged high-temperature annealing in the presence of various chemical elements. A correlation is established between the carrier lifetime and the concentration of impurity atoms. Annealing in the presence of aluminum, boron, and phosphorus increases the carrier lifetime, while annealing in the presence of tin, arsenic, and antimony decreases it. The carrier lifetime is increased by 10 times at 1000°C for the same heat treatment without impurities compared to the case of 100°C.

Cord 1/2

100-34-65

ACCESSION NR: AP5011676

for different impurities, so that it is possible to increase the lifetime by one order of magnitude, from 2×10^{-7} sec to U-235, 9, 10, 12, 13, 14, 15, and 17 ($\times 10^{-8}$) sec respectively. The values obtained for the positions of the impurity and the final impurity centers are given in the table.

The values of the energy gap between the Fermi levels and the valence band were (in units of 10^{-10} eV):

U-235	1.5
U-233	1.8
U-232	2.0
U-231	2.2
U-229	2.5
U-228	2.8
U-227	3.0
U-226	3.2
U-225	3.5
U-224	3.8
U-223	4.0
U-222	4.2
U-221	4.5
U-220	4.8
U-219	5.0
U-218	5.2
U-217	5.5
U-216	5.8
U-215	6.0
U-214	6.2
U-213	6.5
U-212	6.8
U-211	7.0
U-210	7.2
U-209	7.5
U-208	7.8
U-207	8.0
U-206	8.2
U-205	8.5
U-204	8.8
U-203	9.0
U-202	9.2
U-201	9.5
U-200	9.8
U-199	10.0
U-198	10.2
U-197	10.5
U-196	10.8
U-195	11.0
U-194	11.2
U-193	11.5
U-192	11.8
U-191	12.0
U-190	12.2
U-189	12.5
U-188	12.8
U-187	13.0
U-186	13.2
U-185	13.5
U-184	13.8
U-183	14.0
U-182	14.2
U-181	14.5
U-180	14.8
U-179	15.0
U-178	15.2
U-177	15.5
U-176	15.8
U-175	16.0
U-174	16.2
U-173	16.5
U-172	16.8
U-171	17.0
U-170	17.2
U-169	17.5
U-168	17.8
U-167	18.0
U-166	18.2
U-165	18.5
U-164	18.8
U-163	19.0
U-162	19.2
U-161	19.5
U-160	19.8
U-159	20.0
U-158	20.2
U-157	20.5
U-156	20.8
U-155	21.0
U-154	21.2
U-153	21.5
U-152	21.8
U-151	22.0
U-150	22.2
U-149	22.5
U-148	22.8
U-147	23.0
U-146	23.2
U-145	23.5
U-144	23.8
U-143	24.0
U-142	24.2
U-141	24.5
U-140	24.8
U-139	25.0
U-138	25.2
U-137	25.5
U-136	25.8
U-135	26.0
U-134	26.2
U-133	26.5
U-132	26.8
U-131	27.0
U-130	27.2
U-129	27.5
U-128	27.8
U-127	28.0
U-126	28.2
U-125	28.5
U-124	28.8
U-123	29.0
U-122	29.2
U-121	29.5
U-120	29.8
U-119	30.0
U-118	30.2
U-117	30.5
U-116	30.8
U-115	31.0
U-114	31.2
U-113	31.5
U-112	31.8
U-111	32.0
U-110	32.2
U-109	32.5
U-108	32.8
U-107	33.0
U-106	33.2
U-105	33.5
U-104	33.8
U-103	34.0
U-102	34.2
U-101	34.5
U-100	34.8
U-99	35.0
U-98	35.2
U-97	35.5
U-96	35.8
U-95	36.0
U-94	36.2
U-93	36.5
U-92	36.8
U-91	37.0
U-90	37.2
U-89	37.5
U-88	37.8
U-87	38.0
U-86	38.2
U-85	38.5
U-84	38.8
U-83	39.0
U-82	39.2
U-81	39.5
U-80	39.8
U-79	40.0
U-78	40.2
U-77	40.5
U-76	40.8
U-75	41.0
U-74	41.2
U-73	41.5
U-72	41.8
U-71	42.0
U-70	42.2
U-69	42.5
U-68	42.8
U-67	43.0
U-66	43.2
U-65	43.5
U-64	43.8
U-63	44.0
U-62	44.2
U-61	44.5
U-60	44.8
U-59	45.0
U-58	45.2
U-57	45.5
U-56	45.8
U-55	46.0
U-54	46.2
U-53	46.5
U-52	46.8
U-51	47.0
U-50	47.2
U-49	47.5
U-48	47.8
U-47	48.0
U-46	48.2
U-45	48.5
U-44	48.8
U-43	49.0
U-42	49.2
U-41	49.5
U-40	49.8
U-39	50.0
U-38	50.2
U-37	50.5
U-36	50.8
U-35	51.0
U-34	51.2
U-33	51.5
U-32	51.8
U-31	52.0
U-30	52.2
U-29	52.5
U-28	52.8
U-27	53.0
U-26	53.2
U-25	53.5
U-24	53.8
U-23	54.0
U-22	54.2
U-21	54.5
U-20	54.8
U-19	55.0
U-18	55.2
U-17	55.5
U-16	55.8
U-15	56.0
U-14	56.2
U-13	56.5
U-12	56.8
U-11	57.0
U-10	57.2
U-9	57.5
U-8	57.8
U-7	58.0
U-6	58.2
U-5	58.5
U-4	58.8
U-3	59.0
U-2	59.2
U-1	59.5
U-0	59.8

AKHMEDZHANOV, M.Yu. (Yalta)

Influence of climatotherapy on the course of atherosclerosis under
conditions of the southern Crimean coast. Vrach. delo no. 1:40-43
'61. (MIRA 14:4)

1. Terapeuticheskaya klinika (zav. - prof. S.R. Tatevosov) Instituta
imeni I.M. Sechenova.
(ARTERIOSCLEROSIS) (CRIMEA--MAN--INFLUENCE OF CLIMATE)

AKHMEDZHANOV, M.Yu.; POLYAKOVA, R.N.; KOLOSOVA, S.N.

Effect of meteorological conditions and the seasons on the
incidence of acute cardiovascular diseases. Vop.kur., fizioter.i
lech.fiz.kul't. 27 no.2:109-111 Mr-Ap '62. (MIRA 15:11)

1. Iz terapevticheskoy kliniki (zav. - prof. S.R.Tatevosov)
Instituta imeni I.M.Sechenova v Yalte.
(WEATHER--MENTAL AND PHYSIOLOGICAL EFFECTS)
(CARDIOVASCULAR SYSTEM--DISEASES)

AKHMEDZHANOV, R.A.

Treatment of lambs infected with Bact.necrophorum. Trudy Uz.
nauch.-issl.inst.vet. 14:91-95 '61. (MIRA 16:2)
(Samarkand Province—Lambs—Diseases and pests)
(Samarkand Province—Necrosis, Bacillary) (Terramycin)

AKHMEDZHANOV, Ye.S.; LEBEDINSKIY, G.L.

Coreless rotary test drilling instead of cable drilling. Uch. zap.
(MIRA 17:2)
SAIGIMS~~s~~ no.7:217-221 '62.

1. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i mine-
ral'nogo syr'ya, Tashkent.

AKHMEDZHANOV, Ye.S.; LEBEDINSKIY, G.L.

Radiometric sampling of blastholes in the pit of a complex ore
mine. Uch. zap. SAIGIMSa no.8:59-61 '62. (MIRA 17:1)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i
mineral'nogo syr'ya, Tashkent.

AKHMEDZHANOV, Ye.S.

Testing of exploratory holes under conditions of low core yield
in the ore deposits of Central Asia. Uch.zap. SAIGIMSA no.10:74-
83 '63. (MIRA 17:2)